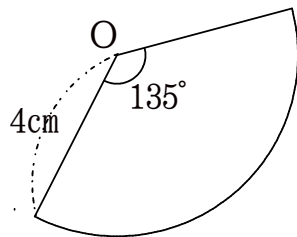


おうぎ形 1

年 組 番・氏名

①



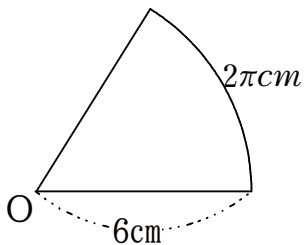
弧の長さ

$$\begin{aligned} & 2\pi \times 4 \times \frac{135}{360} \\ &= 2\pi \times 4 \times \frac{3}{8} \\ &= 3\pi(\text{cm}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 4 \times 4 \times \frac{135}{360} \\ &= \pi \times 4 \times 4 \times \frac{3}{8} \\ &= 6\pi(\text{cm}^2) \end{aligned}$$

②



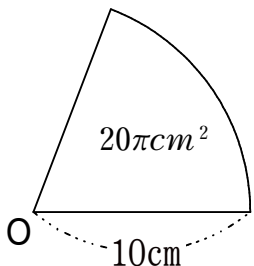
中心角

$$\begin{aligned} & 360 \times \frac{2\pi}{2\pi \times 6} \\ &= 360 \times \frac{1}{6} \\ &= 60(\text{度}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 6 \times 6 \times \frac{2\pi}{2\pi \times 6} \\ &= \pi \times 6 \times 6 \times \frac{1}{6} \\ &= 6\pi(\text{cm}^2) \end{aligned}$$

③



中心角

$$\begin{aligned} & 360 \times \frac{20\pi}{\pi \times 10 \times 10} \\ &= 360 \times \frac{1}{5} \\ &= 72(\text{度}) \end{aligned}$$

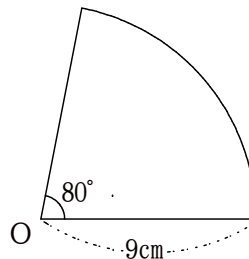
弧の長さ

$$\begin{aligned} & 2\pi \times 10 \times \frac{20\pi}{\pi \times 10 \times 10} \\ &= 2\pi \times 10 \times \frac{1}{5} \\ &= 4\pi(\text{cm}) \end{aligned}$$

おうぎ形 2

年 組 番・氏名

①



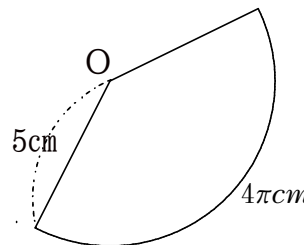
弧の長さ

$$\begin{aligned} & 2\pi \times 9 \times \frac{80}{360} \\ &= 2\pi \times 9 \times \frac{2}{9} \\ &= 4\pi(\text{cm}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 9 \times 9 \times \frac{80}{360} \\ &= \pi \times 9 \times 9 \times \frac{2}{9} \\ &= 18\pi(\text{cm}^2) \end{aligned}$$

②



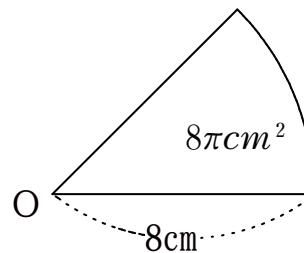
中心角

$$\begin{aligned} & 360 \times \frac{4\pi}{2\pi \times 5} \\ &= 360 \times \frac{2}{5} \\ &= 144(\text{度}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 5 \times 5 \times \frac{4\pi}{2\pi \times 5} \\ &= \pi \times 5 \times 5 \times \frac{2}{5} \\ &= 10\pi(\text{cm}^2) \end{aligned}$$

③



中心角

$$\begin{aligned} & 360 \times \frac{8\pi}{\pi \times 8 \times 8} \\ &= 360 \times \frac{1}{8} \\ &= 45(\text{度}) \end{aligned}$$

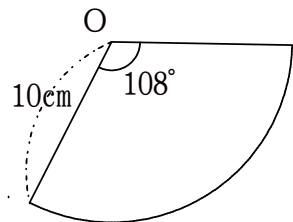
弧の長さ

$$\begin{aligned} & 2\pi \times 8 \times \frac{8\pi}{\pi \times 8 \times 8} \\ &= 2\pi \times 8 \times \frac{1}{8} \\ &= 2\pi(\text{cm}) \end{aligned}$$

おうぎ形 3

年 組 番・氏名

①



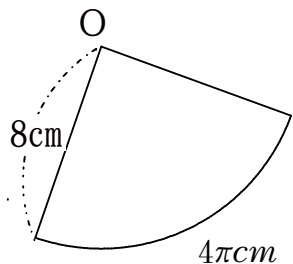
弧の長さ

$$\begin{aligned} & 2\pi \times 10 \times \frac{108}{360} \\ &= 2\pi \times 10 \times \frac{3}{10} \\ &= 6\pi(\text{cm}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 10 \times 10 \times \frac{108}{360} \\ &= \pi \times 10 \times 10 \times \frac{3}{10} \\ &= 30\pi(\text{cm}^2) \end{aligned}$$

②



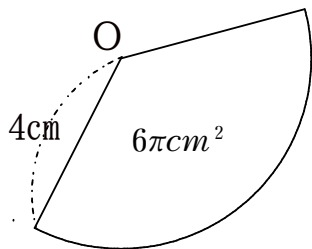
中心角

$$\begin{aligned} & 360 \times \frac{4\pi}{2\pi \times 8} \\ &= 360 \times \frac{1}{4} \\ &= 90(\text{度}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 8 \times 8 \times \frac{4\pi}{2\pi \times 8} \\ &= \pi \times 8 \times 8 \times \frac{1}{4} \\ &= 16\pi(\text{cm}^2) \end{aligned}$$

③



中心角

$$\begin{aligned} & 360 \times \frac{6\pi}{\pi \times 4 \times 4} \\ &= 360 \times \frac{3}{8} \\ &= 135(\text{度}) \end{aligned}$$

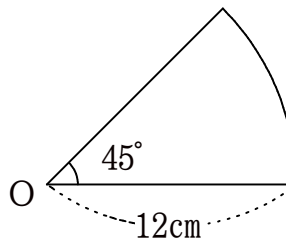
弧の長さ

$$\begin{aligned} & 2\pi \times 4 \times \frac{6\pi}{\pi \times 4 \times 4} \\ &= 2\pi \times 4 \times \frac{3}{8} \\ &= 3\pi(\text{cm}) \end{aligned}$$

おうぎ形 4

年 組 番・氏名

①



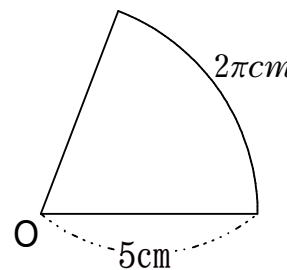
弧の長さ

$$\begin{aligned} & 2\pi \times 12 \times \frac{45}{360} \\ &= 2\pi \times 12 \times \frac{1}{8} \\ &= 3\pi(\text{cm}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 12 \times 12 \times \frac{45}{360} \\ &= \pi \times 12 \times 12 \times \frac{1}{8} \\ &= 18\pi(\text{cm}^2) \end{aligned}$$

②



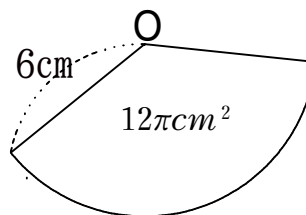
中心角

$$\begin{aligned} & 360 \times \frac{2\pi}{2\pi \times 5} \\ &= 360 \times \frac{1}{5} \\ &= 72(\text{度}) \end{aligned}$$

面積

$$\begin{aligned} & \pi \times 5 \times 5 \times \frac{2\pi}{2\pi \times 5} \\ &= \pi \times 5 \times 5 \times \frac{1}{5} \\ &= 5\pi(\text{cm}^2) \end{aligned}$$

③



中心角

$$\begin{aligned} & 360 \times \frac{12\pi}{\pi \times 6 \times 6} \\ &= 360 \times \frac{1}{3} \\ &= 120(\text{度}) \end{aligned}$$

弧の長さ

$$\begin{aligned} & 2\pi \times 6 \times \frac{12\pi}{\pi \times 6 \times 6} \\ &= 2\pi \times 6 \times \frac{1}{3} \\ &= 4\pi(\text{cm}) \end{aligned}$$